# U.S. Department of the Interior • U.S. Geological Survey

PRECIOUS METALS IN OCTOBER 1996

# MINERAL INDUSTRY SURVEYS

### Gordon P. Eaton, Director

Reston, VA 20192

MINES-DATA: (703) 648-7799

MINES FaxBack: (703) 648-4999

Internet: http://minerals.er.usgs.gov/minerals

For information, contact:

E.B. Amey, Gold Specialist, (703) 648-4969, Fax: (703) 648-7757

R. G. Reese, Silver and Platinum Group Metals Specialist (703) 648-4881

E-mail: eamey@usgs.gov

E. J. Hemphill (Data), (703) 648-7974

### **Domestic**

U.S. mines produced 27,500 kilograms of gold and 131,000 kilograms of silver in October.

In an October 16 press release, Santa Fe Pacific Gold Corp., Albuquerque, NM, announced that it had received U.S. Bureau of Land Management (BLM) approval for the company's operations plan for the expansion of the Lone Tree gold mine, located southeast of Winnemucca, NV, allowing the immediate expansion of open-pit mining operations.

Newmont Gold Co. and Barrick Goldstrike Mines, Inc. announced in an October 22 news release that their dispute over water disposal on the Carlin Trend, NV, was settled. The agreement provides for a water treatment facility and conveyance system to be constructed by Barrick across Newmont property within Boulder Valley, south of the mining operations. Newmont has the right to use up to one-half of the discharge system in later years in exchange for payment of designated capital and operating costs. As a result of this agreement, Barrick will reimburse Newmont's legal costs and convey to Newmont a property contiguous to its Deep Star mine that is estimated to contain a resource of 4,700 kilograms (150,000 troy ounces) of gold.

#### International

In an October 30 press release, Monarch Resources Ltd. announced that its La Camorra gold mine in Venezuela reported higher gold production for the first 9 months in 1996 than for the same period in 1995. La Camorra's production cost was \$7.40 per gram (\$237 per ounce) for the first 9 months in 1996 compared to \$347 for the same period last year. The reduced cost is the result of improved operating efficiencies, and the favorable impact of the devaluation of the Venezuelan bolivar following the government's decision to lift exchange controls last April.

Golden Star has begun core drilling in southeastern Suriname near the border with French Guiana. A 26-hole, 2,600-meter drilling program is planned to evaluate the deeper mineral potential of the central and middle zones of upper Antino gold property.1

A dispute has arisen regarding ownership of the Busang gold project in Kalimantan, Indonesia (See Update section of Precious Metals MIS, December, 1995). The disagreement now has extended to Australia as Golden Valley Mines NL, Perth, WA, Australia, reported that it had made an agreement with PT Krueng Gasui, the local Indonesian company at the center of the dispute. The dispute was originally the result of claims by PT Krueng Gasui, which holds 10% of the Busang I portion of the project, that it is also entitled to a 10% share in Busang II and III. Busang I, the original gold discovery, contains only 6% of the total gold resource of 1.46 million kilograms (47 million ounces) of gold currently estimated for the Busang project area.2

### **Update**

In a November 14 news release, Santa Fe Pacific Gold Corp., Albuquerque, NM, announced that the new Sage mill at the Twin Creeks Mine, in Nevada, had started processing oxide ore. Approximately 160,000 to 190,000 metric tons of oxide ore, at an average grade of 2.5 grams of gold per ton, is expected to have been processed by the end of the fourth quarter of 1996, yielding about 310 to 470 kilograms (10,000 to 15,000 ounces) of gold. The Sage mill is part of a 4-year Twin Creeks sulfide expansion project, construction of which began in late 1994. This sulfide project, which included the addition of a larger capacity mining fleet in 1995, reportedly will enable Twin Creeks to process refractory ores that contain about 220 tons (7 million ounces) of gold reserves, approximately two-thirds of the total reserves at Twin Creeks.

In a November 14 press release, USMX, Inc. announced that it had decided to defer commencement of gold production at its Illinois Creek gold mine, in Alaska, until the spring of 1997. The company forecasts gold production of about 2,300 kilograms (75,000 ounces) at Illinois Creek in 1997.

Hecla Mining Co. will accelerate development of the Gold Hunter silver deposit near its Lucky Friday Mine in Idaho. More than 20 drill-hole intercepts into the main Gold Hunter vein have cored minable ore over a 3.7-meter width. Mining is expected to begin in 1997.<sup>3</sup>

Lihir Gold Ltd. projected 1997 gold production at 4,670 kilograms (150,000 ounces) from its rich gold deposit in Papua New Guinea. Commissioning of the facilities for the processing of oxide ore is scheduled for May 1997.<sup>4</sup>

In a November 8 news release, Freeport-McMoRan Copper & Gold Inc. (FCX), New Orleans, LA, announced that the Amole tunnel, which is being driven from a point near the mill into the Grasberg orebody, in Indonesia, has intersected the fringes of heavy sulfide "skarn-type" mineralization. The mineralization averaged 1.40% copper and 0.91 gram of gold per ton.

Cathedral Gold Corp. announced on November 28 that drilling work is underway at the Porcher Island gold project, 24 kilometers southwest of Prince Rupert, British Columbia. Current reserves at Porcher Island stand at 1.5 million tons grading 6.4 grams of gold per ton. Drilling and underground development are planned during 1997.

Royal Oak Mines intends to close its Hope Brook gold mine in Newfoundland near the end of 1997. The mill and mine equipment will be relocated to the company's Matachewan Project in Ontario, which the company expects to be producing 3,100 kilograms (100,000 ounces) of gold in the second half of 1998 at an estimated total cost of \$7.30 per gram (\$227 per ounce).<sup>5</sup>

In a November 12 press release, Echo Bay Mines Ltd., Englewood, CO, announced that it had increased its equity interest in Minefinders Corp. Ltd. to have the right to acquire 60% of the Dolores gold exploration property in the State of Chihuahua, Mexico. The C\$2.4 million transaction provides funding for continued exploration, contigent on positive results from the first phase of drilling.

First Dynasty Mines, Vancouver, British Columbia, has agreed to acquire the interest previously held by Bakyrchik Gold PLC, United Kingdom, in a consortium to explore and develop the Vasilkovskoye gold deposit in Kazakstan. The Vasilkovskoye deposit has estimated minable reserves of 100 million tons grading 2.4 grams of gold per ton–equivalent to 220 tons (7 million ounces) of gold.<sup>6</sup>

In a November 18 news release, Delgratia Mining, Vancouver, British Columbia, reported that four extensive gold zones have been delineated from sampling of approximately one-half of the 160,000-hectare La Batea concession in central Nicaragua. The LaBatea concession adjoins Greenstone Resources' La Libertad Mine concession.

Hecla Mining Co., Coeur d'Alene, ID, and Santa Fe Pacific Gold Corp., Albuquerque, NM, have signed the final agreement to develop the Rosebud project, an underground, high-grade oxide gold deposit 50 miles west of Winnemucca, NV. The mine is slated to produce an average of 3,100 kilograms (100,000 ounces) of gold per year for 5 years. Initial production will begin in the second quarter of 1997.<sup>7</sup>

According to the World Council's latest *Gold Demand Trends*, world gold demand fell 3% during the first 9 months of 1996 compared to demand in the same period in 1995. Demand in developing countries in Asia, the Middle East, and Latin America set a new record; however, demand in the developed markets, including those in Japan, the United States, and parts of Western Europe, fell.<sup>8</sup>

<sup>&</sup>lt;sup>1</sup>The Northern Miner. Golden Star Aims Drills at Suriname. V. 82, No. 35, Oct. 28, 1996, p. 14.

<sup>&</sup>lt;sup>2</sup>Mining Journal, London. Busang Dispute Widens. V. 327,No. 8400, Oct. 18, 1996, pp. 297-298.

<sup>&</sup>lt;sup>3</sup>Engineering & Mining Journal. This Month In Mining. V.197, No. 11, Nov. 1996, p. 26.

<sup>&</sup>lt;sup>4</sup>American Metal Market. Lihir Gold Project Makes Progress. V. 104, No.19, November 11, 1996, p. 5.

<sup>&</sup>lt;sup>5</sup> Platt's Metals Week. Hope Brook Gold Mine to Close. V. 67, No. 45, Nov. 11, 1996, p. 10.

<sup>&</sup>lt;sup>6</sup>Journal of Metals. Businessline. V. 48, No. 11, Nov. 1996, p. 8.

 $<sup>^7</sup> Engineering \&$  Mining Journal. This Month In Mining. V.197, No.11, Nov. 1996, p. 26.

<sup>&</sup>lt;sup>8</sup>Platt's Metals Week. Gold Demand Down 3% on 1995 Levels:World Gold Council. V. 67, No. 47, Nov. 25, 1996, p. 1.

 ${\bf TABLE~1}$  MINE PRODUCTION OF RECOVERABLE GOLD AND SILVER IN THE UNITED STATES, BY STATE 1/

### (Kilograms)

|                 |           | 1995 p/ |          |          | 1996 p/   |            |          |           |  |
|-----------------|-----------|---------|----------|----------|-----------|------------|----------|-----------|--|
| States          | 1995 2/   | October | November | December | Jan Dec.  | January    | February | March     |  |
| Gold:           |           |         |          |          |           |            |          |           |  |
| Arizona         | 1,920     | 231     | 235      | 233      | 2,780     | 236        | 229      | 178       |  |
| California      | 26,200    | 1,520   | 1,940    | 1,730    | 20,200    | 2,110      | 1,940    | 2,210     |  |
| Idaho           | 8,850     | 236     | 261      | 277      | 3,000     | W          | W        | W         |  |
| Montana         | 12,400    | 1,420   | 1,350    | 894      | 13,600    | 791        | 642      | 836       |  |
| Nevada          | 213,000   | 19,000  | 20,200   | 19,900   | 222,000   | 15,400     | 16,000   | 17,400    |  |
| Other States 3/ | 58,000    | 4,160   | 3,850    | 4,310    | 51,500    | 4,990      | 4,680    | 5,220     |  |
| Total           | 320,000   | 26,600  | 27,800   | 27,300   | 313,000   | 23,600     | 23,500   | 25,900    |  |
|                 |           |         |          | 1996     | p/        |            |          |           |  |
|                 | April     | May     | June     | July     | August    | September  | October  | Jan Oct.  |  |
| Arizona         | 161       | 168     | 117      | 119      | 158       | 228        | 224      | 1,820     |  |
| California      | 2,250     | 2,170   | 2,210    | 2,080    | 1,880     | 1,920 r/   | 1,920    | 20,700    |  |
| Idaho           | W         | W       | W        | W        | W         | W          | W        | W         |  |
| Montana         | 968       | 959     | 703      | 987 r/   | 1,010 r/  | 968 r/     | 1,140    | 9,000     |  |
| Nevada          | 16,400    | 18,100  | 17,500   | 19,000   | 19,300    | 18,500 r/  | 18,800   | 177,000   |  |
| Other States 3/ | 5,040     | 4,860   | 4,960    | 4,990    | 5,250     | 5,580      | 5,440    | 51,000    |  |
| Total           | 24,800    | 26,300  | 25,500   | 27,200   | 27,600    | 27,200 r/  | 27,500   | 259,000   |  |
|                 | _         |         | 199      | 95 p/    |           | 1996 p/    |          |           |  |
|                 | 1995 2/   | October | November | December | Jan Dec.  | January    | February | March     |  |
| Silver:         |           |         |          |          |           |            |          |           |  |
| Arizona         | 220,000   | 15,900  | 15,600   | 16,700   | 172,000   | 14,900     | 16,500   | 13,100    |  |
| California      | 12,700    | 996     | 1,220    | 1,200    | 12,100    | 1,460      | 1,440    | 1,520     |  |
| Idaho           | 182,000   | 14,900  | 12,400   | 12,700   | 161,000   | 14,100     | 14,800   | 16,600    |  |
| Montana         | 76,100    | 6,630   | 7,360    | 6,780    | 75,800    | 5,820      | 5,140    | W         |  |
| Nevada          | 766,000   | 56,200  | 49,000   | 54,800   | 653,000   | 42,700     | 42,600   | 44,000    |  |
| Other States 4/ | 380,000   | 26,400  | 24,300   | 28,800   | 382,000   | 30,400     | 25,700   | 34,900    |  |
| Total           | 1,640,000 | 121,000 | 110,000  | 121,000  | 1,460,000 | 109,000    | 106,000  | 110,000   |  |
|                 |           |         |          | 1996     | 1         |            |          |           |  |
|                 | April     | May     | June     | July     | August    | September  | October  | Jan Oct.  |  |
| Arizona         | 14,700    | 15,200  | 12,100   | 13,700   | 13,600    | 12,900     | 12,600   | 139,000   |  |
| California      | W         | 1,990   | 1,570    | 1,990    | 1,470     | 1,330 r/   | 1,450    | 14,200    |  |
| Idaho           | 11,300    | 16,700  | 16,300   | 15,700   | 15,700    | 15,700     | 15,700   | 153,000   |  |
| Montana         | W         | W       | W        | W        | W         | W          | W        | 11,000    |  |
| Nevada          | 39,800    | 49,400  | 57,700   | 55,300   | 53,900    | 57,200     | 64,300   | 507,000   |  |
| Other States 4/ | 40,100    | 34,500  | 39,800   | 38,400   | 45,800 r/ | 37,500 r/  | 36,500   | 364,000   |  |
| Total           | 106,000   | 118,000 | 127,000  | 125,000  | 130,000   | 125,000 r/ | 131,000  | 1,190,000 |  |

p/ Preliminary. r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Other States."

<sup>1/</sup> Data are rounded to three significant digits; may not add to totals shown.

<sup>2/</sup> Includes annual reporters.

<sup>3/</sup> Includes Alaska, Colorado, New Mexico, South Carolina, South Dakota, Utah, Wisconsin, and State indicated by symbol "W."

<sup>4/</sup> Includes Alaska, Colorado, Michigan, Missouri, New Mexico, New York, South Carolina, South Dakota, Utah, Wisconsin, and States indicated by symbol "W."

# TABLE 2 SELECTED PRECIOUS METAL PRICES

### (Dollars per troy ounce)

|                       | Gold                                     | Silver         | Platinum         | Palladium |
|-----------------------|--|----------------|------------------|-----------|
| Engelhard Industries: |  |                |                  |           |
| 1995:                 |  |                |                  |           |
| Year:                 |  |                |                  |           |
| Low/date              | 373.68 (Jan. 09)                         | 4.39 (Mar. 03) | 404.00 (Mar. 02) | 130.00    |
| High/date             | 396.87 (Apr. 19)                         | 6.02 (May 04)  | 462.00 (May 04)  | 179.00    |
| Average               | 385.50                                   | 5.21           | 425.36           | 153.34    |
| 1996:                 | -  |                |                  |           |
| September:            |  |                |                  |           |
| Low/date              | 380.29/30                                | 4.85/23        | 384.00/30        | 118.00    |
| High/date             | 387.91/03                                | 5.18/05        | 397.00/03        | 127.00    |
| Average               | 384.27                                   | 5.01           | 390.50           | 123.10    |
| October:              |  |                |                  |           |
| Low/date              | 379.94/01                                | 4.83/31        | 381.00/30        | 117.00    |
| High/date             | 384.20/28                                | 5.07/16        | 389.00/10        | 122.00    |
| Average               | 382.36                                   | 4.94           | 384.70           | 119.39    |
| November:             |  |                |                  |           |
| Low/date              | 374.28/27                                | 4.72/26        | 377.00/27        | 117.00    |
| High/date             | 384.90/13                                | 4.95/20        | 389.00/12        | 122.00    |
| Average               | 379.76                                   | 4.84           | 383.58           | 119.42    |
| Year to date:         |  |                |                  |           |
| Low/date              | 374.28(Nov. 27)                          | 4.72(Nov. 26)  | 377.00(Nov. 27)  | 117.00    |
| High/date             | 391.06(Aug .05)                          | 5.82 (Feb. 02) | 433.00 (Feb. 05) | 146.00    |
| Average               | 390.89                                   | 5.23           | 400.41           | 131.35    |
| Handy and Harman:     | -, -, -, -, -, -, -, -, -, -, -, -, -, - |                |                  |           |
| 1995:                 |  |                |                  |           |
| Average               | 384.22                                   | 5.19           | XX               | XX        |
| 1996:                 |  |                |                  |           |
| September             | 382.97                                   | 5.01           | XX               | XX        |
| October               | 381.07                                   | 4.93           | XX               | XX        |
| November              | 378.46                                   | 4.83           | XX               | XX        |
| Year to date          | 389.52                                   | 5.22           | XX               | XX        |
| London Final:         |  |                |                  |           |
| 1995:                 |  |                |                  |           |
| Average               | 384.16                                   | 5.22           | XX               | XX        |
| 1996:                 |  |                |                  |           |
| September             | 383.14                                   | 5.04           | XX               | XX        |
| October               | 390.55                                   | 5.28           | XX               | XX        |
| November              | 377.85                                   | 4.83           | XX               | XX        |
| Year to date          | 389.39                                   | 5.24           | XX               | XX        |

XX Not applicable.

Source: Platt's Metals Week.

## ${\bf TABLE~3} \\ {\bf U.S.~IMPORTS~~AND~EXPORTS~OF~GOLD,~BY~COUNTRY~1/}$

(Kilograms of gold content, unless otherwise specified)

|                          |                 |              |            |            | Waste          |
|--------------------------|-----------------|--------------|------------|------------|----------------|
|                          | Ores and        | Dore and     | Refined    |            | and scrap 4/   |
| Country                  | concentrates 2/ | precipitates | bullion 3/ | Total      | (gross weight) |
| imports for consumptiom: |                 |              |            |            |                |
| 1995:                    |                 |              |            |            |                |
| Year                     | 5,020           | 9,820        | 111,000    | 126,000    | 14,400         |
| 1996:                    | _               |              |            |            |                |
| July                     | 273             | 1,030        | 13,300     | 14,600     | 1,090          |
| August                   | 407             | 1,300        | 14,300     | 16,000     | 1,150          |
| September:               |                 |              |            |            |                |
| Brazil                   |                 |              | 2,280      | 2,280      |                |
| Canada                   | 1               | 440          | 5,550      | 5,990      | 134            |
| Chile                    |                 |              | 550        | 550        | 31             |
| Colombia                 |                 |              | 904        | 904        | 325            |
| Dominican Republic       |                 |              | 33         | 33         |                |
| Mexico                   | 186             | 478          | 716        | 1,380      | 112            |
| Russia                   |                 |              | 10         | 10         |                |
| Other                    |                 | 174          | 1,120      | 1,290      | 253            |
| Total                    | 187             | 1,090        | 11,200     | 12,400     | 855            |
| Year to date             | 2,720           | 8,690        | 107,000    | 118,000    | 9,530          |
| Exports:                 |                 |              |            |            |                |
| 1995:                    |                 |              |            |            |                |
| Year                     | 345             | 69,700       | 277,000    | 347,000 5/ | 74,700 5       |
| 1996:                    | _               |              |            |            |                |
| July                     | 13              | 7,370        | 19,200     | 26,600     | 6,090          |
| August                   | 54              | 4,670        | 33,200 5/  | 37,900     | 7,670          |
| September:               |                 |              |            |            |                |
| Belgium                  |                 |              |            |            | 88             |
| Canada                   | 34              | 2,980        | 203        | 3,220      | 4,790          |
| France                   |                 |              |            |            | 1,190          |
| Germany                  |                 |              | 505        | 505        | 400            |
| Korea, Republic of       |                 |              | 2,520      | 2,520      |                |
| Switzerland              |                 | 2,670        | 5,010      | 7,680      |                |
| United Kingdom           | _ 2             | 2,950        |            | 2,950      | 914            |
| Other                    |                 |              | 8,460      | 8,460      | 269            |
| Total                    | 36              | 8,600        | 16,700     | 25,300     | 7,650          |
| Year to date             |                 | 44,900       | 365,000    | 410,000    | 72,400         |

<sup>1/</sup> Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

<sup>2/</sup> Includes gold content of base metal ores, concentrates, and matte imported for refining.

<sup>3/</sup> Bullion also moves in both directions between U.S. markets and foreign stocks on deposit in the Federal Reserve Bank. Monetary gold excluded.

<sup>4/ &</sup>quot;Waste and scrap" not included in "Total."

<sup>5/</sup> All or part of these data have been referred to the Bureau of the Census for verification.

## ${\it TABLE~4} \\ {\it U.S.~IMPORTS~AND~EXPORTS~OF~SILVER,~BY~COUNTRY~1/}$

(Kilograms of silver content, unless otherwise specified)

|                          | 0 1             | ъ .          | D (* 1            |                   | Waste           |
|--------------------------|-----------------|--------------|-------------------|-------------------|-----------------|
|                          | Ores and        | Dore and     | Refined           |                   | and scrap 3/    |
| Country                  | concentrates 2/ | precipitates | bullion           | Total             | (gross weight)  |
| Imports for consumption: |                 |              |                   |                   |                 |
| 1995:                    |                 |              |                   |                   |                 |
| Year                     | 225,000         | 395,000      | 2,630,000         | 3,250,000         | 2,140,000       |
| 1996:                    |                 |              |                   |                   |                 |
| July                     | 10,800          | 25,000       | 226,000           | 261,000           | 147,000         |
| August                   | 14,100          | 11,400       | 181,000           | 206,000           | 141,000         |
| September:               |                 |              |                   |                   |                 |
| Canada                   | 88              | 58           | 111,000           | 111,000           | 17,300          |
| Chile                    |                 | 26,500       | 4,200             | 30,700            | 289             |
| Germany                  |                 |              |                   |                   | 19,500          |
| Malaysia                 |                 |              |                   |                   | 26,000          |
| Mexico                   | 9,900           | 1,240        | 66,000            | 77,100            | 4,130           |
| Peru                     |                 | 11,300       | 25,000            | 36,300            |                 |
| Philippines              | <u> </u>        |              |                   |                   | 9,070           |
| United Kingdom           |                 |              |                   |                   | 30,900          |
| Other                    |                 | 401          | 52                | 453               | 207             |
| Total                    | 9,990           | 39,500       | 206,000           | 256,000           | 107,000         |
| Year to date             | 105,000         | 209,000      | 1,900,000         | 2,220,000         | 1,330,000       |
| Exports:<br>1995:        | _               |              |                   |                   |                 |
| Year                     | 743             | 72,100       | 2,810,000 4/      | 2,880,000         | 1,580,000       |
| 1996:                    |                 |              |                   |                   |                 |
| July                     | 240             | 994          | 537,000           | 538,000           | 86,500          |
| August                   |                 | 2890         | 284,000           | 287,000           | 111,000         |
| September:               |                 |              |                   |                   |                 |
| Belgium                  | <del></del>     |              | 18,300            | 18,300            | 6,140           |
| Canada                   | <del></del>     |              |                   |                   | 38,600          |
| China                    |                 |              |                   |                   | 6,850           |
| Germany                  |                 |              |                   |                   | 2,450           |
| Japan                    | <del></del>     |              | 17,700            | 17,700            | 17,300          |
| Swieden                  |                 |              |                   |                   | 19              |
| Switzerland              |                 | 430          | 167,000           | 167,000           | 2,900           |
| Taiwan                   |                 | 618          |                   | 618               |                 |
| United Kingdom           |                 |              | 13,500            | 13,500            | 7,550           |
| Office Kingdom           |                 |              | *                 | *                 |                 |
|                          | 34              | 171          | 94.100            | 94.300            | 2.570           |
| Other Total              |                 | 1,71         | 94,100<br>310,000 | 94,300<br>312,000 | 2,570<br>84,400 |

<sup>1/</sup> Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

<sup>2/</sup> Includes silver content of base metal ores, concentrates, and matte imported for refining.

 $<sup>3/\,\</sup>mbox{"Waste}$  and scrap" not included in "Total."

 $<sup>4\!/</sup>$  All or part of these data have been referred to the Bureau of the Census for verification.

TABLE 5 U.S. IMPORTS AND EXPORTS OF PLATINUM-GROUP METALS, BY COUNTRY 1/

(Kilograms of metal content, unless otherwise specified)

|                          | Ores and | Waste<br>and scrap |           |           |         |         |        |           |  |
|--------------------------|----------|--------------------|-----------|-----------|---------|---------|--------|-----------|--|
| Country                  |          | (gross weight)     | Platinum  | Palladium | Rhodium | Iridium | Osmium | Ruthenium |  |
| Imports for consumption: |          | (8-222 11-8-22)    |           |           |         |         |        |           |  |
| 1995:                    |          |                    |           |           |         |         |        |           |  |
| Year                     | 123      | 6,350              | 71,500 ½/ | 124,000   | 9,600   | 1,450   | 69     | 7,520     |  |
| 1996:                    |          |                    |           |           |         |         |        |           |  |
| July                     |          | 263                | 7,020     | 5,360     | 747     | 54      | 18     | 618       |  |
| August                   | 1,860    | 339                | 6,010     | 12,100    | 973     | 50      |        | 317       |  |
| September:               | -        |                    |           |           |         |         |        |           |  |
| Belgium                  |          | 74                 | 441       | 1,400     | 4       |         |        |           |  |
| Canada                   |          | 18                 | 43        | 219       |         |         |        |           |  |
| China                    |          |                    |           | 20        |         |         |        |           |  |
| Colombia                 |          |                    | 22        |           |         |         |        |           |  |
| Germany                  |          | 16                 | 283       | 220       | 23      |         |        |           |  |
| Japan                    |          | 2                  | 17        | 397       | 3       |         |        |           |  |
| Mexico                   |          |                    |           |           |         |         |        |           |  |
| Norway                   |          |                    | 31        | 148       |         |         |        |           |  |
| Russia                   |          |                    | 912       | 2,560     | 128     |         |        |           |  |
| South Africa             |          |                    | 3,050     | 2,150     | 511     | 129     |        | 311       |  |
| Switzerland              |          |                    | 340       | 1,100     |         |         |        | 50        |  |
| United Kingdom           |          | 499                | 697       | 184       | 1       | 43      |        | 277       |  |
| Other                    |          | 135                | 40        | 30        |         |         |        |           |  |
| Total                    |          | 744                | 5,870     | 8,420     | 670     | 172     |        | 638       |  |
| Year to date             | 1,960    | 4,000              | 54,200    | 79,400    | 7,100   | 1,220   | 329    | 11,600    |  |
| Exports:                 | 1,900    | 4,000              | 34,200    | 79,400    | 7,100   | 1,220   | 329    | 11,000    |  |
| 1995:                    |          |                    |           |           |         |         |        |           |  |
| Year                     | 598      | 8,150              | 19,900    | 26,000    | 742     | 853/    |        |           |  |
| 1996:                    | 396      | 6,130              | 19,900    | 20,000    | 742     | 65 1/   |        |           |  |
| July                     | 8        | 670                | 1,220     | 1,870     | 7       | 193/    |        |           |  |
| August                   | 13       | 802                | 693       | 2,530     | 23      | 83/     |        |           |  |
| September:               | 13       | 602                | 093       | 2,330     | 23      | 0 1/    |        |           |  |
| Belgium                  |          | 53                 | 339       | 628       |         |         |        |           |  |
| Canada                   |          | 1                  | 339<br>17 | 94        |         |         |        |           |  |
|                          |          |                    | 2         |           |         |         |        |           |  |
| France                   |          |                    |           | 10<br>37  |         |         |        |           |  |
| Germany                  |          | 62                 | 78        |           |         |         |        |           |  |
| Hong Kong                |          |                    | 4         |           |         |         |        |           |  |
| Ireland                  |          |                    | 1         | 12        |         |         |        |           |  |
| Japan D. 11: 6           |          | 166                | 479       | 111       |         |         |        |           |  |
| Korea, Republic of       |          |                    | 125       | 140       | 4       | 3 3/    |        |           |  |
| Mexico                   |          | 1                  | 4         | 247       |         |         |        |           |  |
| Netherlands              |          |                    | 1         | 432       |         |         |        |           |  |
| Singapore                |          |                    |           | 3         |         |         |        |           |  |
| Sweden                   |          | 8                  | 14        | 4         |         |         |        |           |  |
| Switzerland              | 15       |                    |           | 37        |         |         |        |           |  |
| Taiwan                   |          |                    | 6         | 212       |         |         |        |           |  |
| United Kingdom           | 84       | 431                | 34        | 139       |         |         |        |           |  |
| Other                    | 2        | 4                  | 83        | 54        |         |         |        |           |  |
| Total                    | 101      | 726                | 1,190     | 2,160     | 4       | 33/     |        |           |  |
| Year to date             | 294      | 5,980              | 10,100    | 18,700    | 171     | 893/    |        |           |  |

<sup>1/</sup> Data are rounded to three significant digits; may not add to totals shown. 2/ Of this amount 1,070 kilograms was in the form of platinum coins.

Source: Bureau of the Census.

<sup>3/</sup> Includes osmium and ruthenium.